

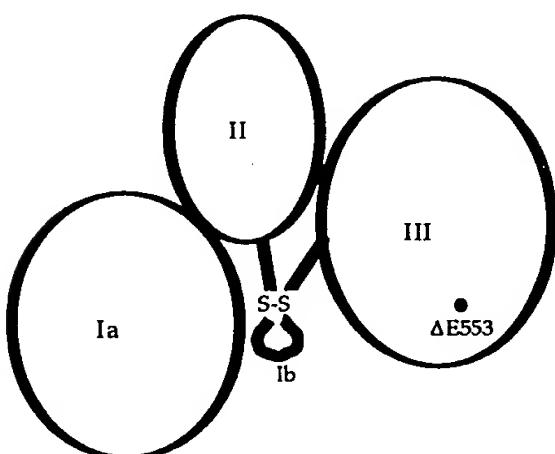
APPROVED BY DRAFTSMAN	O.G. FIG.
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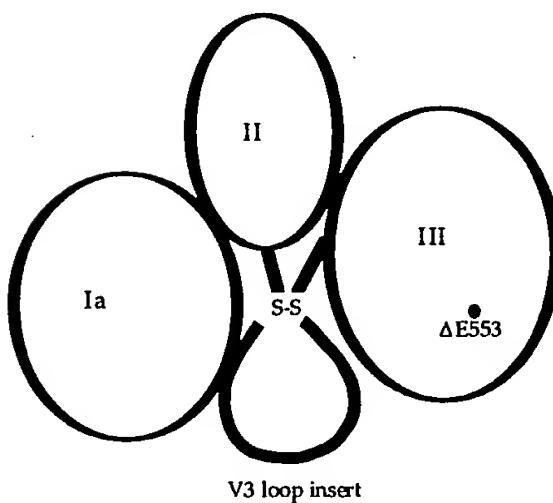
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1 A Pseudomonas exotoxin



1 B V3-loop toxin chimera



1 C

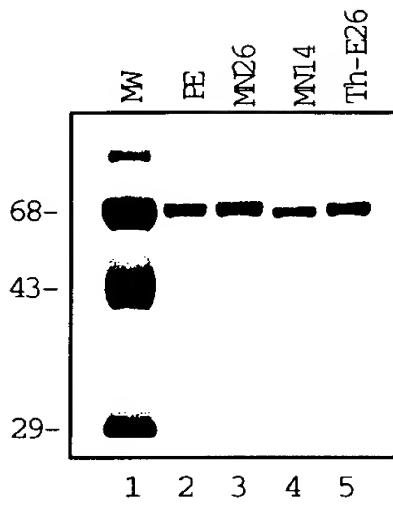
Protein	Ib Loop Region Amino Acid Sequence	Molecular Mass
wild-type PE	-GAANADVVSLLTCPVAAGECAGPAD-	67,122 Da
ntPE-V3MN14	-GAANLHCGIHIGPGRAYTTKCMQGPAD-	67,729 Da
ntPE-V3MN26	-GAANLHCNYNKRKRIHIGPGRAYT TKNIIGTICMQGPAD-	68,937 Da
ntPE-V3ThE26	-GAANLHCSNNRTSITIGPGQVFYRT GDIIGDDICMQGPAD-	68,700 Da
ntPE-PP16	-GAANLQCRLEEKKGNYVVTDHRLCLQGPAD-	67,862 Da

Figure 1.

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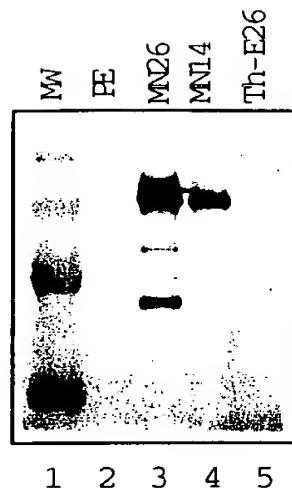
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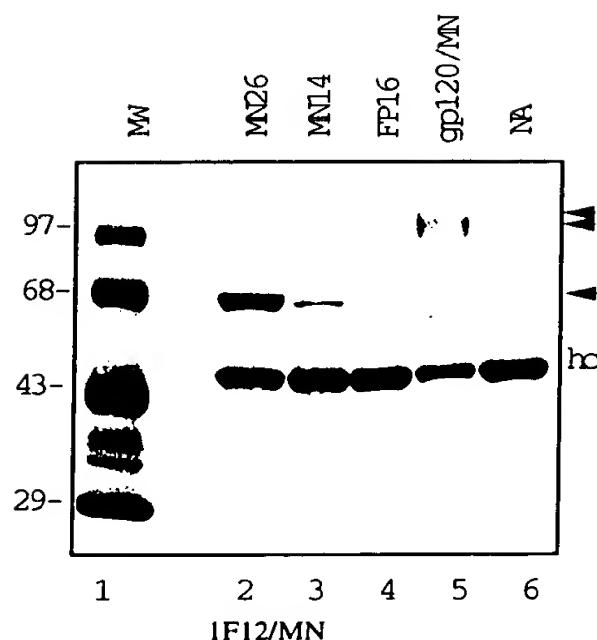
SDS-PAGE

FIG. 2A.



Western blot Analysis

FIG. 2B.



Antibody-mediated capture of proteins

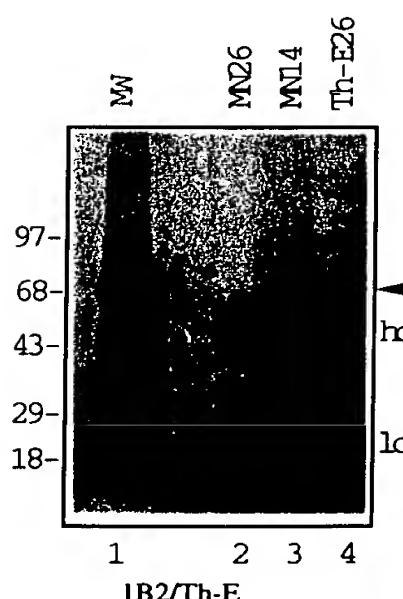


FIG. 2C.

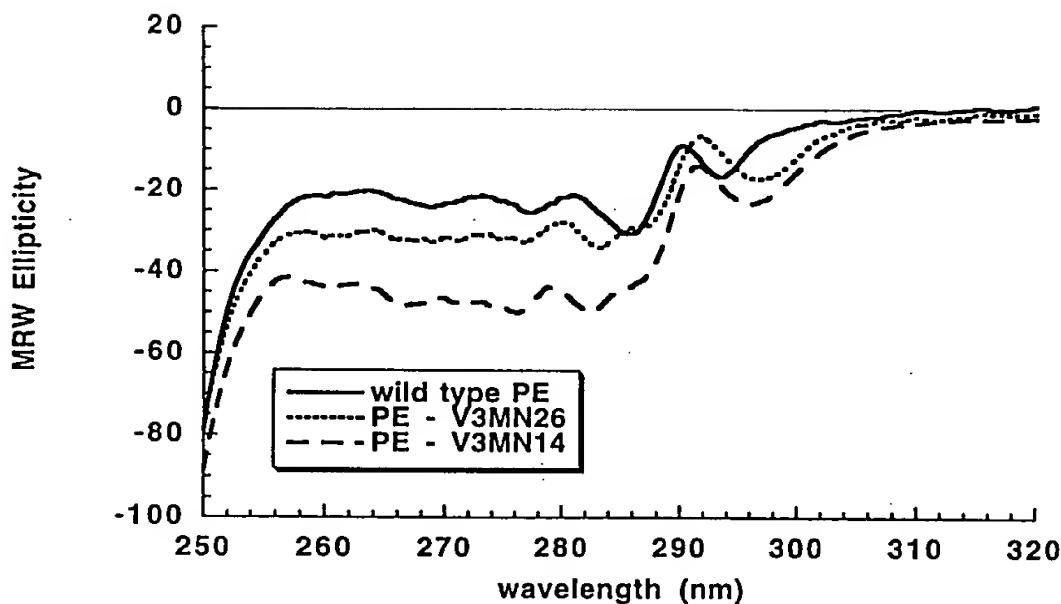
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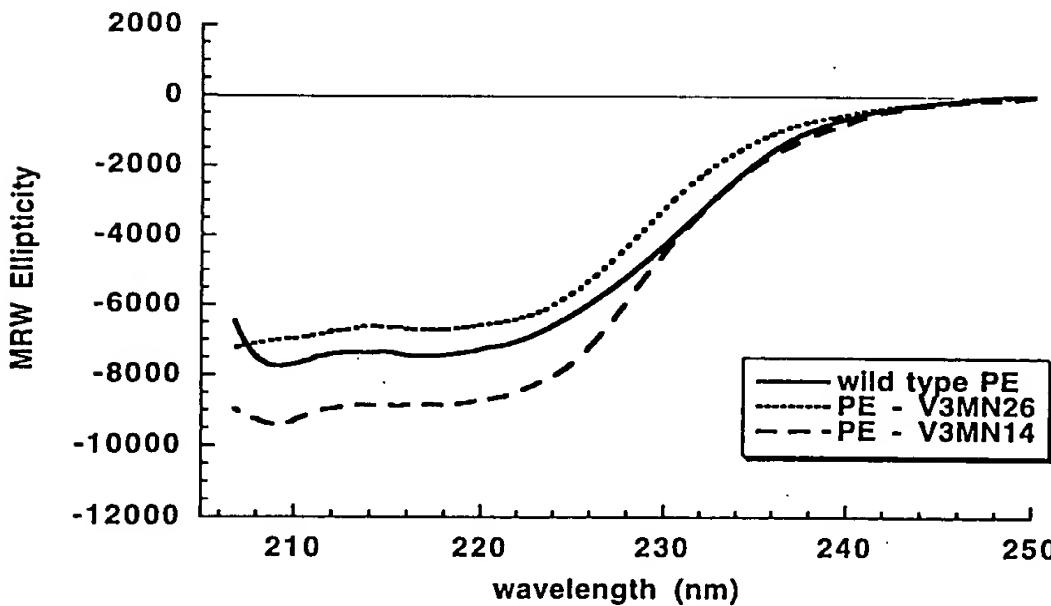
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3A



3B



3C

Sample	% α -helix*	% β -sheet	% β -turns	% other
wild-type PE	21	48	12	20
ntPE-V3MN14	26	46	10	19
ntPE-V3MN26	18	50	12	20

Figure 3.
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Cytotoxic activity for A431 Cells

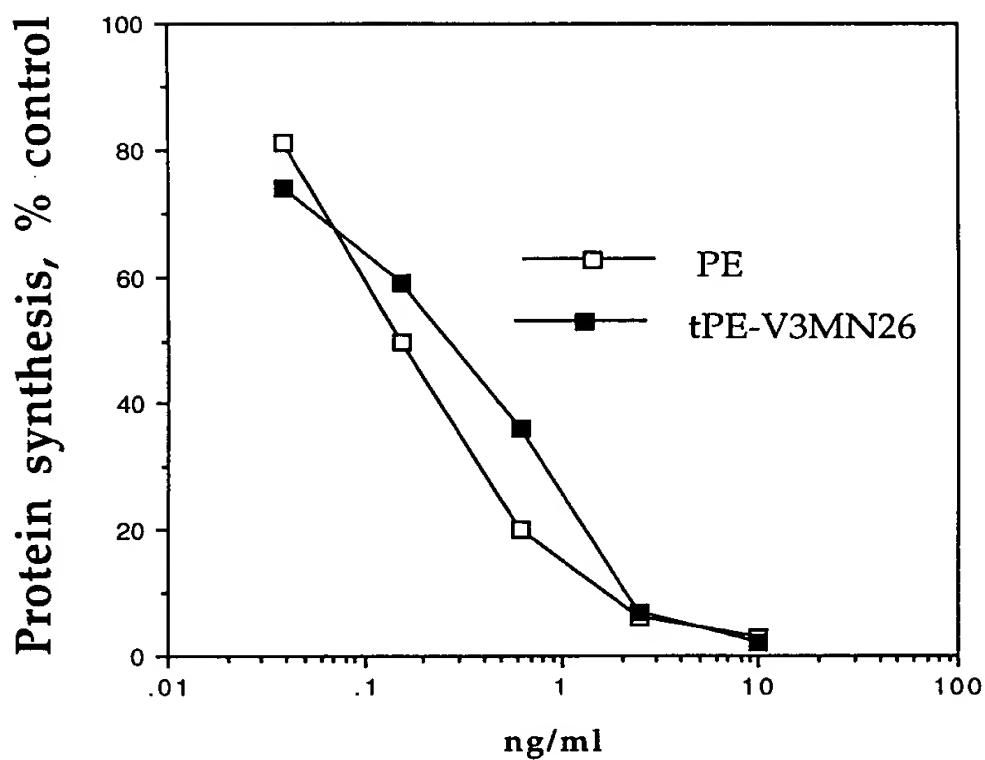


Figure 4.

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0 9 / 4 6 2 6 8 2

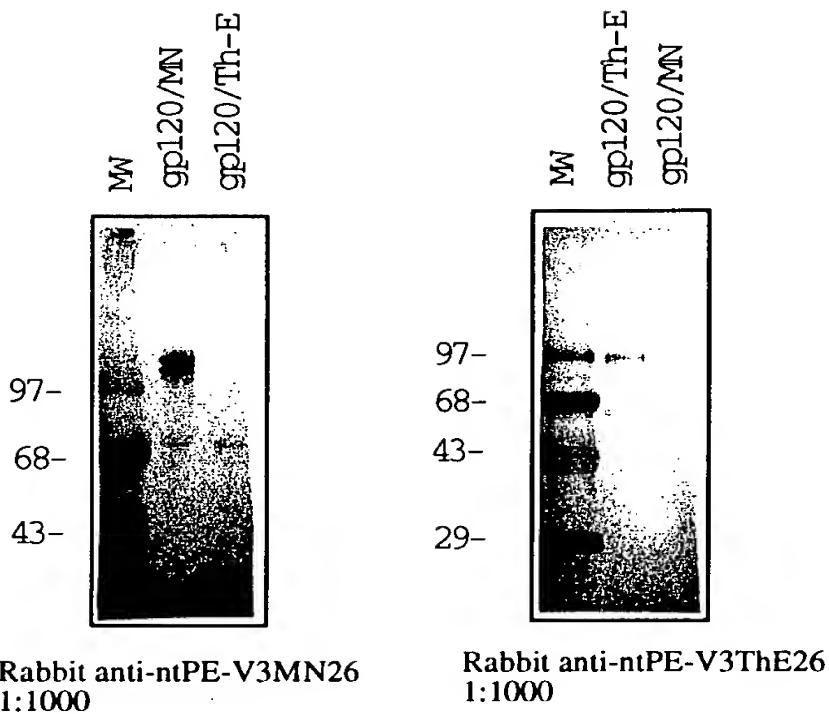


FIG. 5A.

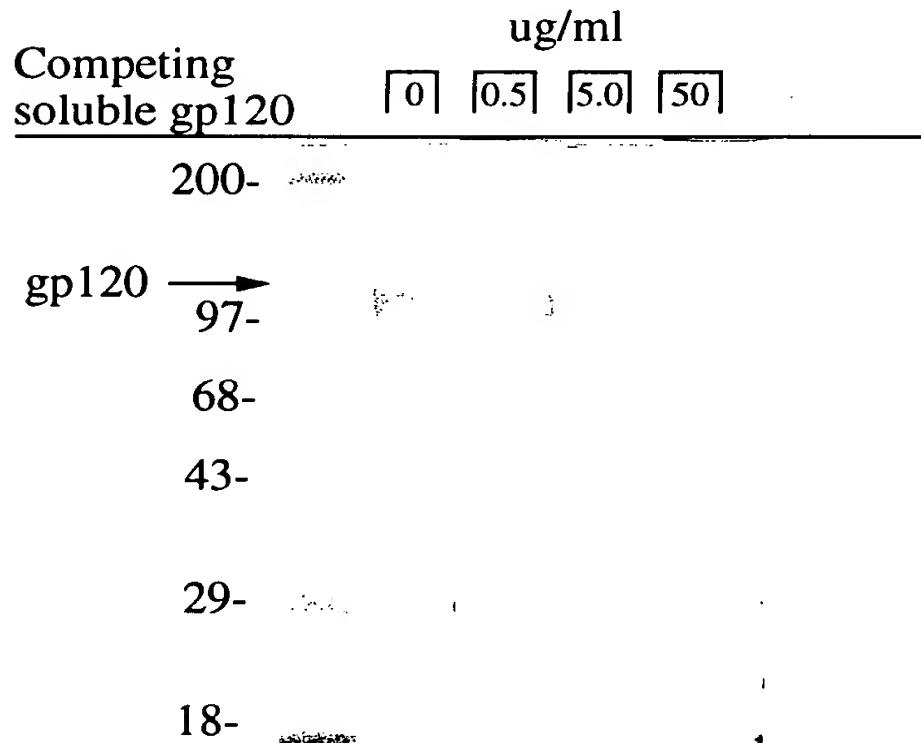


FIG. 5B.
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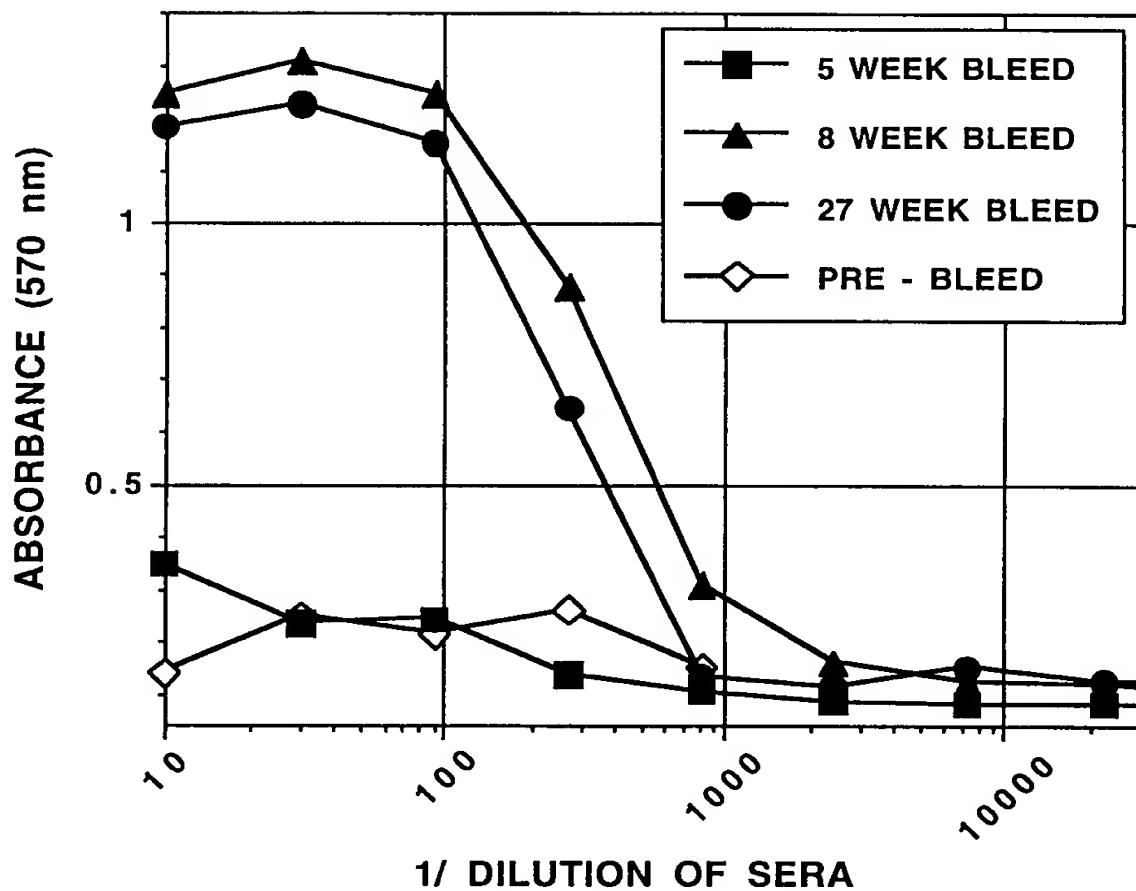
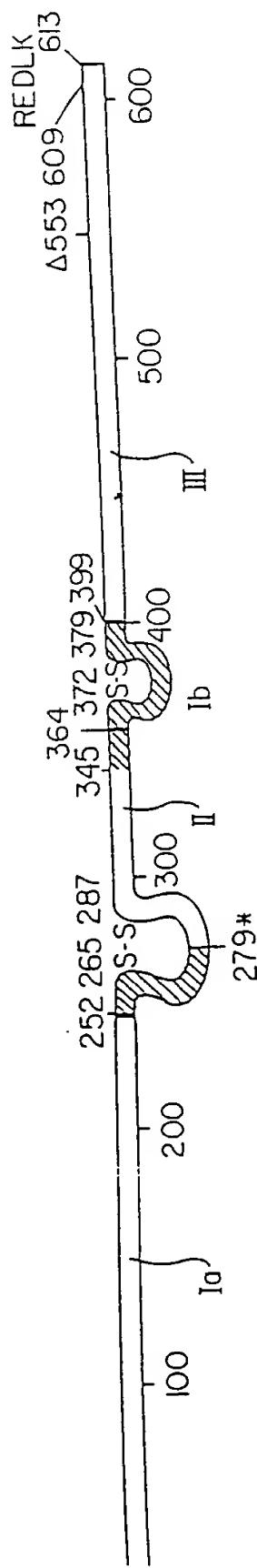


Figure 6.

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Figure 7.

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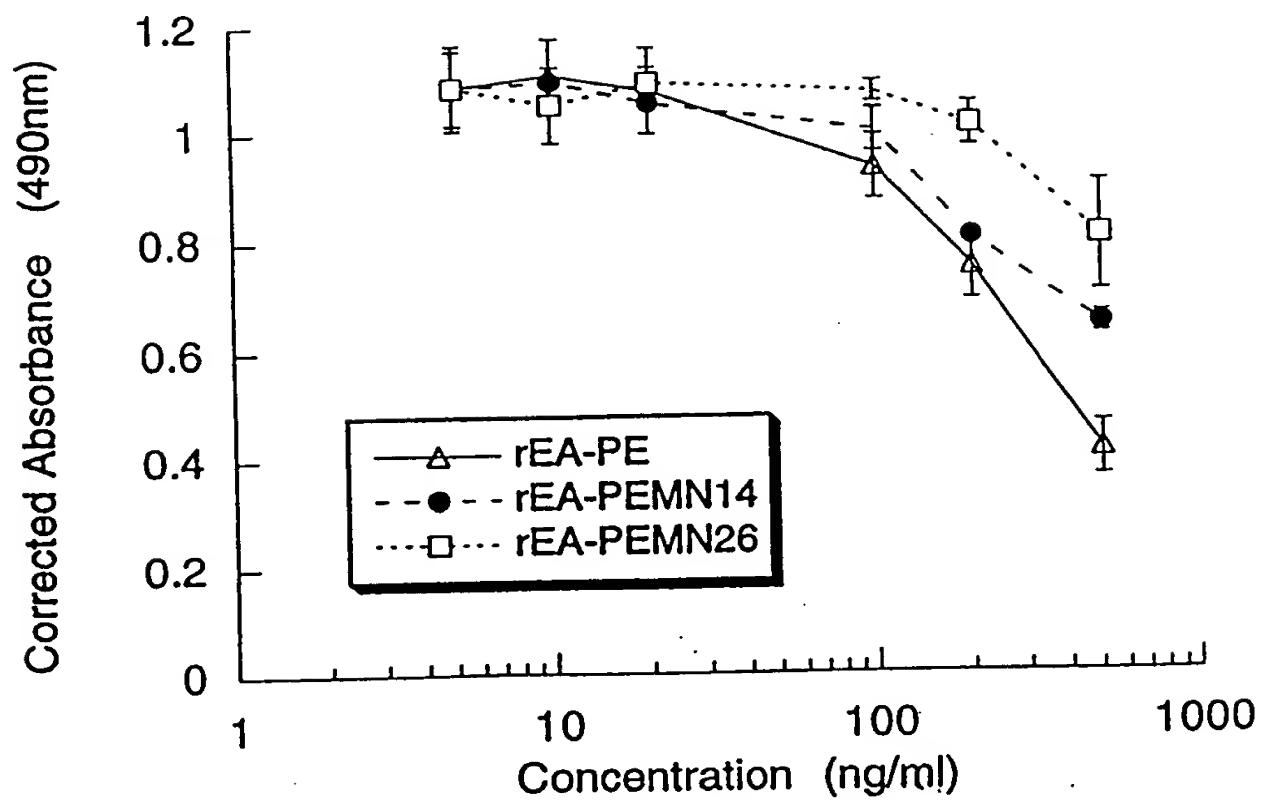


Figure 8.

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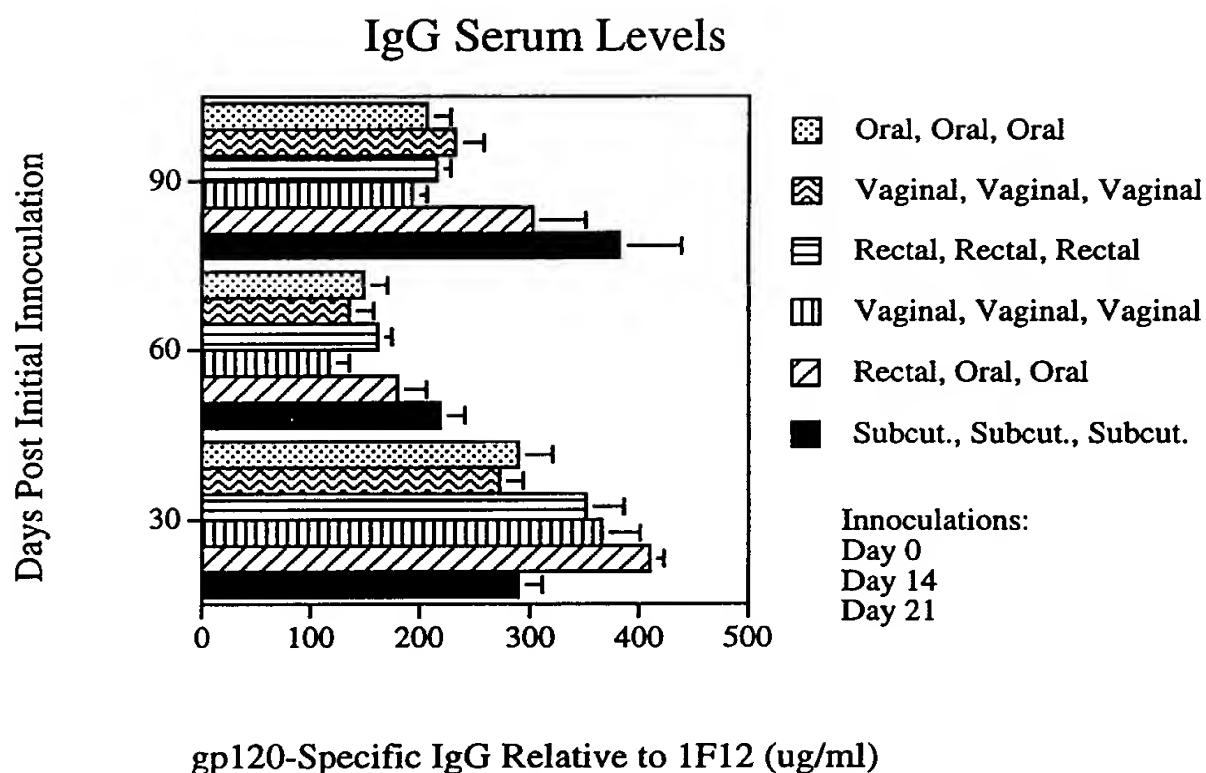


Figure 9.

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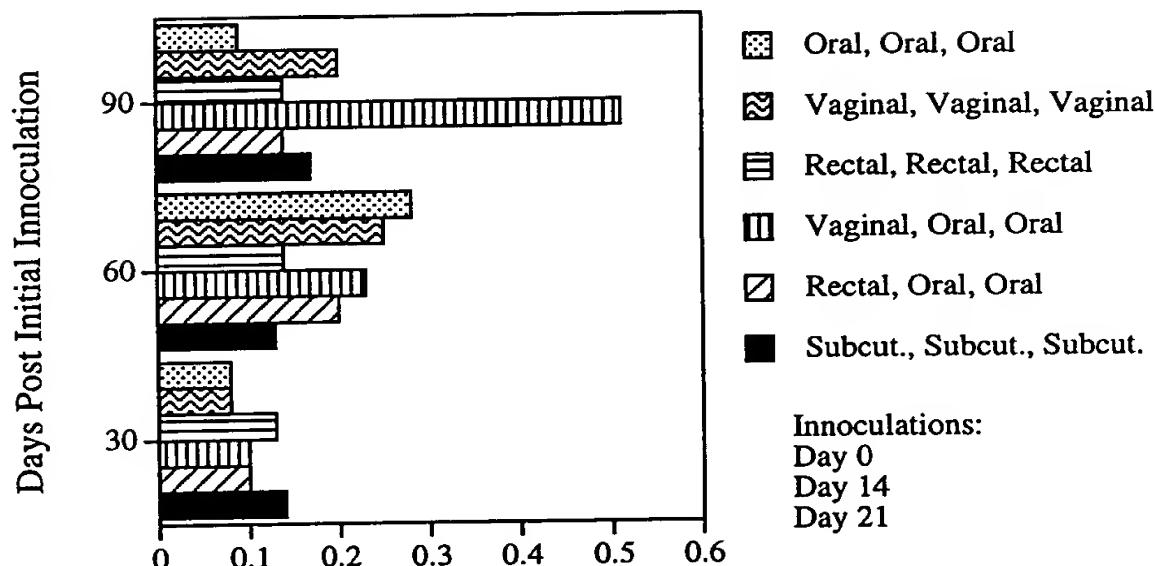
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IgA Levels in Pooled Salivas



Normalized gp120-Specific ELISA Values

Figure 10.

APPROVED BY	O.G. FIG.	
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Salivary IgA Response Induced by ntPE-MN26

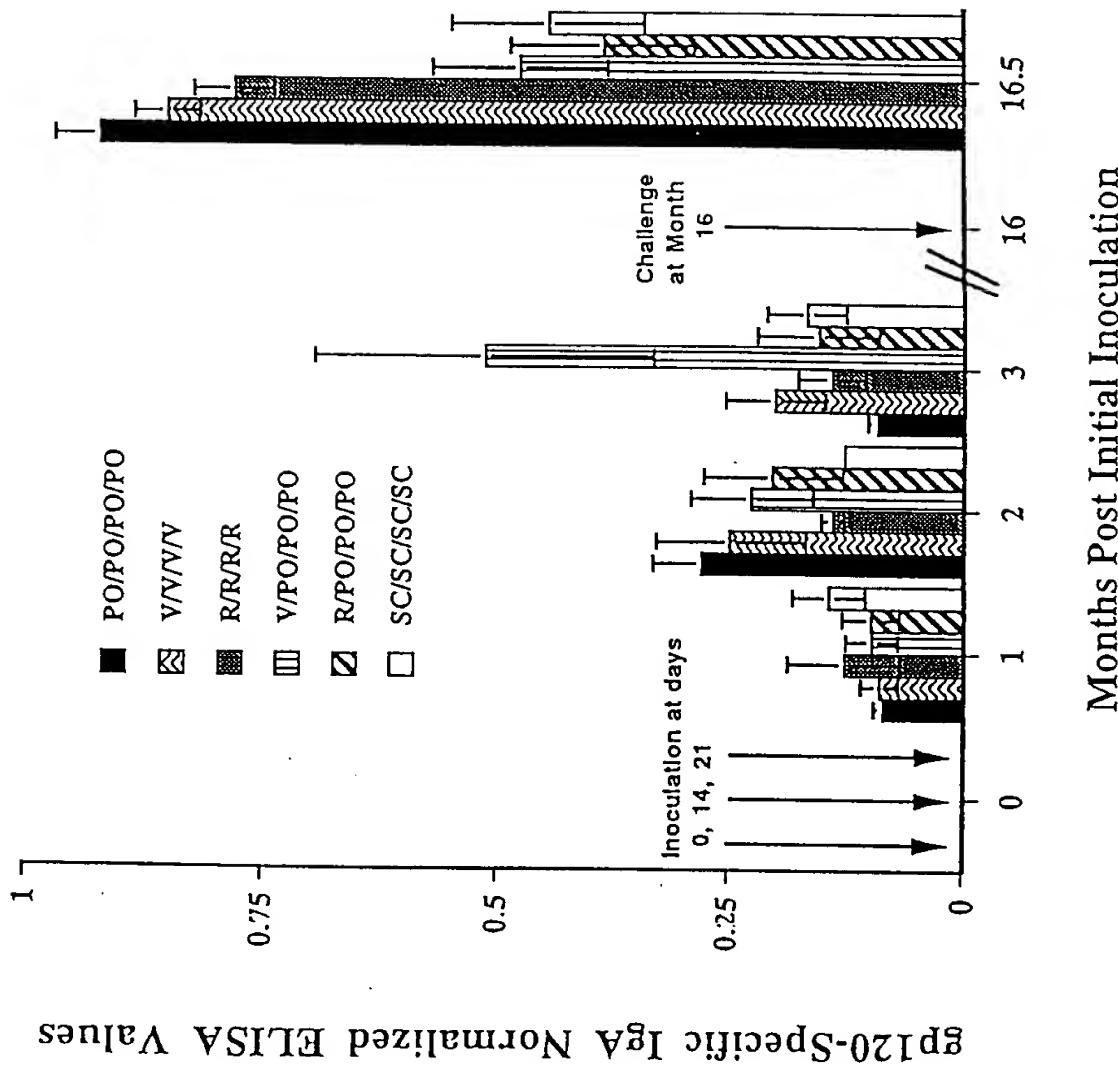


Figure 11.

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Serum IgG Response to Subcutaneous Injection of ntPE-MN26

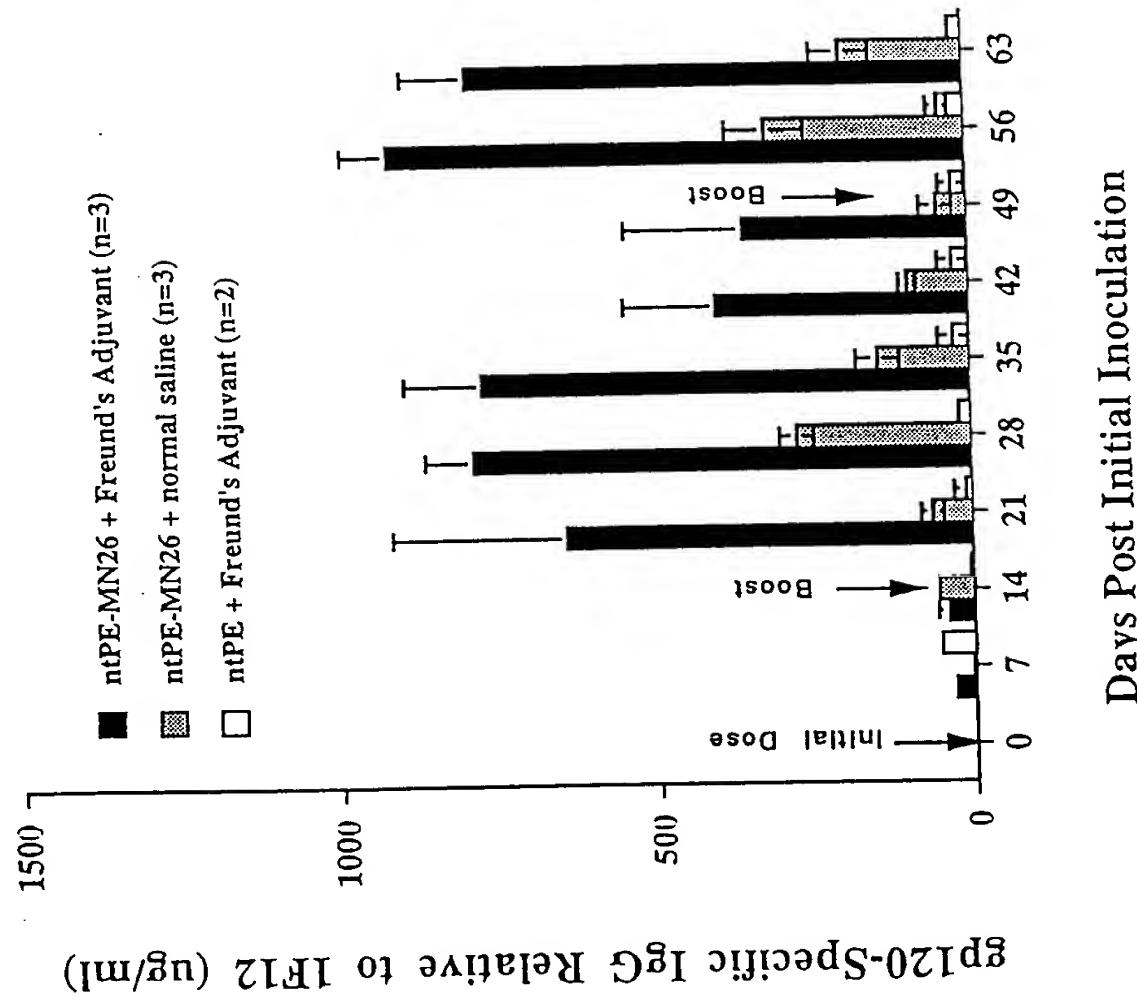


Figure 12.

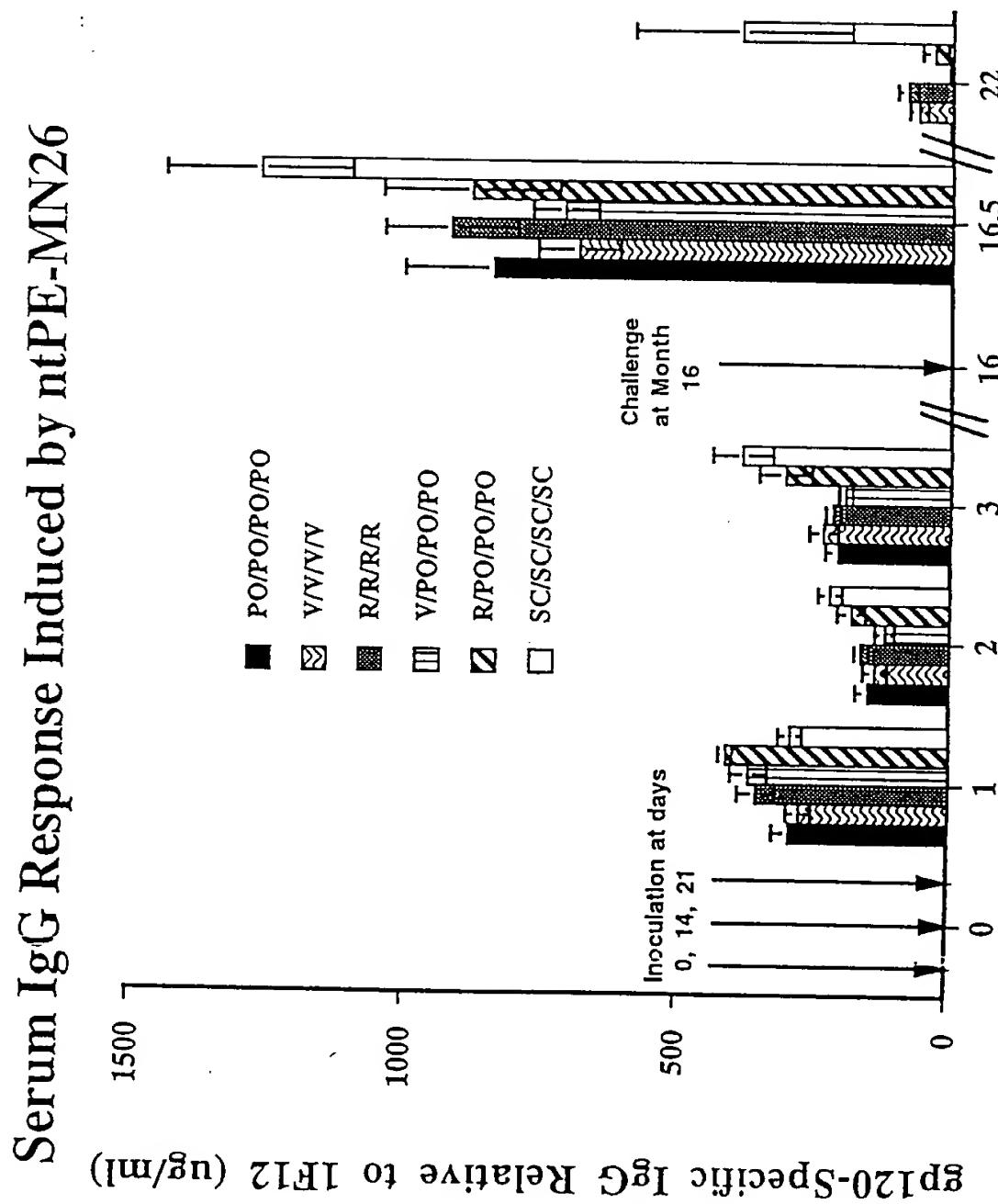
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APPROVED	O.G. FIG.	
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Months Post Initial Inoculation

Figure 13

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APPROVED BY	O.G. FIG.
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Growth of HIV-1/Th92009
 V3 Loop-Toxin Chimeras

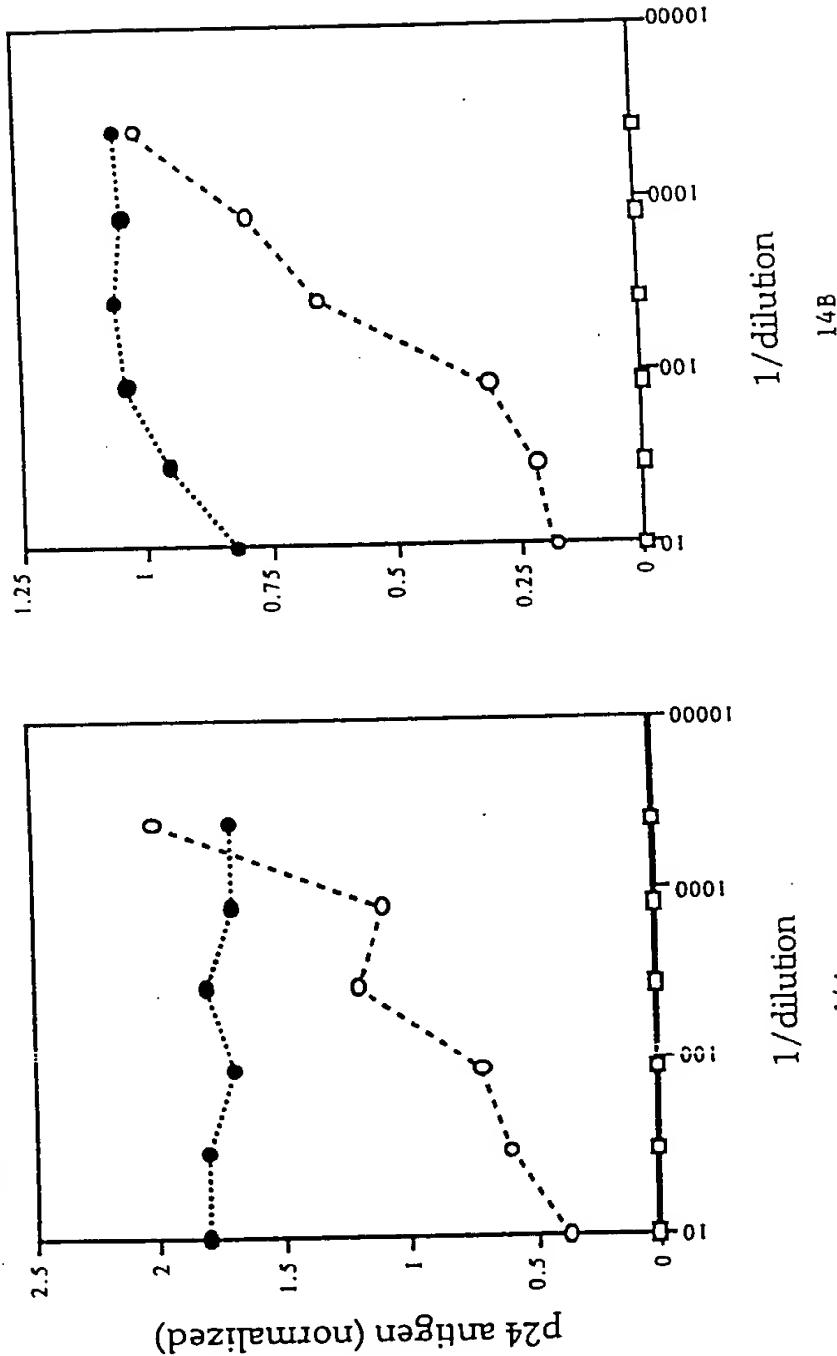


Figure 14.

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